RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/593,831
Source: EFWP
Date Processed by STIC: 10/3/06

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IFWP

RAW SEQUENCE LISTING DATE: 10/03/2006
PATENT APPLICATION: **US/10/593,831** TIME: 08:46:42

Input Set : **A:\PCTJP2005006006.txt**
Output Set: **N:\CRF4\10032006\J593831.raw**

3 <110> APPLICANT: Daiichi Suntory Pharma Co., Ltd.
5 <120> TITLE OF INVENTION: Method for expansion of pluripotent stem cells
7 <130> FILE REFERENCE: DSTY-R678/PCT (fP05-02WO-1)
C--> 9 **<140> CURRENT APPLICATION NUMBER: US/10/593,831**
C--> 9 **<141> CURRENT FILING DATE: 2006-09-22**
9 <160> NUMBER OF SEQ ID NOS: 24
11 <170> SOFTWARE: PatentIn version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 882
15 <212> TYPE: PRT
16 <213> ORGANISM: Human E-cadherin
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20 <222> LOCATION: (157)..(262)
21 <223> OTHER INFORMATION: EC1
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45 <223> OTHER INFORMATION: EC5
48 <400> SEQUENCE: 1

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55             20                  25                  30
58 Asp Ala Glu Ser Tyr Thr Phe Thr Val Pro Arg Arg His Leu Glu Arg
59         35                  40                  45
62 Gly Arg Val Leu Gly Arg Val Asn Phe Glu Asp Cys Thr Gly Arg Gln
63     50                  55                  60
66 Arg Thr Ala Tyr Phe Ser Leu Asp Thr Arg Phe Lys Val Gly Thr Asp
67 65                  70                  75                  80
70 Gly Val Ile Thr Val Lys Arg Pro Leu Arg Phe His Asn Pro Gln Ile
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74 His Phe Leu Val Tyr Ala Trp Asp Ser Thr Tyr Arg Lys Phe Ser Thr
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78 Lys Val Thr Leu Asn Thr Val Gly His His His Arg Pro Pro Pro His
79          115                 120                 125
82 Gln Ala Ser Val Ser Gly Ile Gln Ala Glu Leu Leu Thr Phe Pro Asn
83      130                 135                 140
86 Ser Ser Pro Gly Leu Arg Arg Gln Lys Arg Asp Trp Val Ile Pro Pro
87 145                 150                 155                 160
90 Ile Ser Cys Pro Glu Asn Glu Lys Gly Pro Phe Pro Lys Asn Leu Val
91                  165                 170                 175
94 Gln Ile Lys Ser Asn Lys Asp Lys Glu Gly Lys Val Phe Tyr Ser Ile
95              180                 185                 190
98 Thr Gly Gln Gly Ala Asp Thr Pro Pro Val Gly Val Phe Ile Ile Glu
99          195                 200                 205
102 Arg Glu Thr Gly Trp Leu Lys Val Thr Glu Pro Leu Asp Arg Glu Arg
103     210                 215                 220
106 Ile Ala Thr Tyr Thr Leu Phe Ser His Ala Val Ser Ser Asn Gly Asn
107 225                 230                 235                 240
110 Ala Val Glu Asp Pro Met Glu Ile Leu Ile Thr Val Thr Asp Gln Asn
111                 245                 250                 255
114 Asp Asn Lys Pro Glu Phe Thr Gln Glu Val Phe Lys Gly Ser Val Met
115             260                 265                 270
118 Glu Gly Ala Leu Pro Gly Thr Ser Val Met Glu Val Thr Ala Thr Asp
119         275                 280                 285
122 Ala Asp Asp Asp Val Asn Thr Tyr Asn Ala Ala Ile Ala Tyr Thr Ile
123     290                 295                 300
126 Leu Ser Gln Asp Pro Glu Leu Pro Asp Lys Asn Met Phe Thr Ile Asn
127 305                 310                 315                 320
130 Arg Asn Thr Gly Val Ile Ser Val Val Thr Thr Gly Leu Asp Arg Glu
131                 325                 330                 335
134 Ser Phe Pro Thr Tyr Thr Leu Val Val Gln Ala Ala Asp Leu Gln Gly
135             340                 345                 350
138 Glu Gly Leu Ser Thr Thr Ala Thr Ala Val Ile Thr Val Thr Asp Thr
139         355                 360                 365
142 Asn Asp Asn Pro Pro Ile Phe Asn Pro Thr Thr Tyr Lys Gly Gln Val
143     370                 375                 380
146 Pro Glu Asn Glu Ala Asn Val Val Ile Thr Thr Leu Lys Val Thr Asp
147 385                 390                 395                 400
150 Ala Asp Ala Pro Asn Thr Pro Ala Trp Glu Ala Val Tyr Thr Ile Leu
151                 405                 410                 415
154 Asn Asp Asp Gly Gly Gln Phe Val Val Thr Thr Asn Pro Val Asn Asn
155             420                 425                 430
158 Asp Gly Ile Leu Lys Thr Ala Lys Gly Leu Asp Phe Glu Ala Lys Gln
159         435                 440                 445
162 Gln Tyr Ile Leu His Val Ala Val Thr Asn Val Val Pro Phe Glu Val
163     450                 455                 460
166 Ser Leu Thr Thr Ser Thr Ala Thr Val Thr Val Asp Val Leu Asp Val
167 465                 470                 475                 480
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175             500                 505                 510
178 Pro Asp Thr Phe Met Glu Gln Lys Ile Thr Tyr Arg Ile Trp Arg Asp
179         515                 520                 525
182 Thr Ala Asn Trp Leu Glu Ile Asn Pro Asp Thr Gly Ala Ile Ser Thr
183     530                 535                 540
186 Arg Ala Glu Leu Asp Arg Glu Asp Phe Glu His Val Lys Asn Ser Thr
187 545                 550                 555                 560
190 Tyr Thr Ala Leu Ile Ile Ala Thr Asp Asn Gly Ser Pro Val Ala Thr
191                 565                 570                 575
194 Gly Thr Gly Thr Leu Leu Leu Ile Leu Ser Asp Val Asn Asp Asn Ala
195             580                 585                 590
198 Pro Ile Pro Glu Pro Arg Thr Ile Phe Phe Cys Glu Arg Asn Pro Lys
199         595                 600                 605
202 Pro Gln Val Ile Asn Ile Ile Asp Ala Asp Leu Pro Pro Asn Thr Ser
203     610                 615                 620
206 Pro Phe Thr Ala Glu Leu Thr His Gly Ala Ser Ala Asn Trp Thr Ile
207 625                 630                 635                 640
210 Gln Tyr Asn Asp Pro Thr Gln Glu Ser Ile Ile Leu Lys Pro Lys Met
211                 645                 650                 655
214 Ala Leu Glu Val Gly Asp Tyr Lys Ile Asn Leu Lys Leu Met Asp Asn
215             660                 665                 670
218 Gln Asn Lys Asp Gln Val Thr Thr Leu Glu Val Ser Val Cys Asp Cys
219         675                 680                 685
222 Glu Gly Ala Ala Gly Val Cys Arg Lys Ala Gln Pro Val Glu Ala Gly
223     690                 695                 700
226 Leu Gln Ile Pro Ala Ile Leu Gly Ile Leu Gly Gly Ile Leu Ala Leu
227 705                 710                 715                 720
230 Leu Ile Leu Ile Leu Leu Leu Leu Leu Phe Leu Arg Arg Arg Ala Val
231                 725                 730                 735
234 Val Lys Glu Pro Leu Leu Pro Pro Glu Asp Asp Thr Arg Asp Asn Val
235             740                 745                 750
238 Tyr Tyr Tyr Asp Glu Glu Gly Gly Gly Glu Glu Asp Gln Asp Phe Asp
239         755                 760                 765
242 Leu Ser Gln Leu His Arg Gly Leu Asp Ala Arg Pro Glu Val Thr Arg
243     770                 775                 780
246 Asn Asp Val Ala Pro Thr Leu Met Ser Val Pro Arg Tyr Leu Pro Arg
247 785                 790                 795                 800
250 Pro Ala Asn Pro Asp Glu Ile Gly Asn Phe Ile Asp Glu Asn Leu Lys
251                 805                 810                 815
254 Ala Ala Asp Thr Asp Pro Thr Ala Pro Pro Tyr Asp Ser Leu Leu Val
255             820                 825                 830
258 Phe Asp Tyr Glu Gly Ser Gly Ser Glu Ala Ala Ser Leu Ser Ser Leu
259         835                 840                 845
262 Asn Ser Ser Glu Ser Asp Lys Asp Gln Asp Tyr Asp Tyr Leu Asn Glu
263     850                 855                 860
266 Trp Gly Asn Arg Phe Lys Lys Leu Ala Asp Met Tyr Gly Gly Gly Glu
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Input Set : **A:\PCTJP2005006006.txt**
Output Set: **N:\CRF4\10032006\J593831.raw**

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270 Asp Asp
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275 <211> LENGTH: 884
276 <212> TYPE: PRT
277 <213> ORGANISM: Mouse E-cadherin
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282 <223> OTHER INFORMATION: EC1
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300 <223> OTHER INFORMATION: EC4
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306 <223> OTHER INFORMATION: EC5
309 <400> SEQUENCE: 2
311 Met Gly Ala Arg Cys Arg Ser Phe Ser Ala Leu Leu Leu Leu Leu Gln
312 1               5                  10                  15
315 Val Ser Ser Trp Leu Cys Gln Glu Leu Glu Pro Glu Ser Cys Ser Pro
316             20                  25                  30
319 Gly Phe Ser Ser Glu Val Tyr Thr Phe Pro Val Pro Glu Arg His Leu
320         35                  40                  45
323 Glu Arg Gly His Val Leu Gly Arg Val Arg Phe Glu Gly Cys Thr Gly
324     50                  55                  60
327 Arg Pro Arg Thr Ala Phe Phe Ser Glu Asp Ser Arg Phe Lys Val Ala
328 65                  70                  75                  80
331 Thr Asp Gly Thr Ile Thr Val Lys Arg His Leu Lys Leu His Lys Leu
332                 85                  90                  95
335 Glu Thr Ser Phe Leu Val Arg Ala Arg Asp Ser Ser His Arg Glu Leu
336             100                 105                 110
339 Ser Thr Lys Val Thr Leu Lys Ser Met Gly His His His His Arg His
340         115                 120                 125
343 His His Arg Asp Pro Ala Ser Glu Ser Asn Pro Glu Leu Leu Met Phe
344     130                 135                 140
347 Pro Ser Val Tyr Pro Gly Leu Arg Arg Gln Lys Arg Asp Trp Val Ile
348 145                 150                 155                 160
351 Pro Pro Ile Ser Cys Pro Glu Asn Glu Lys Gly Glu Phe Pro Lys Asn
352                 165                 170                 175
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Input Set : **A:\PCTJP2005006006.txt**
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355 Leu Val Gln Ile Lys Ser Asn Arg Asp Lys Glu Thr Lys Val Phe Tyr
356             180                 185                 190
359 Ser Ile Thr Gly Gln Gly Ala Asp Lys Pro Pro Val Gly Val Phe Ile
360         195                 200                 205
363 Ile Glu Arg Glu Thr Gly Trp Leu Lys Val Thr Gln Pro Leu Asp Arg
364     210                 215                 220
367 Glu Ala Ile Ala Lys Tyr Ile Leu Tyr Ser His Ala Val Ser Ser Asn
368 225                 230                 235                 240
371 Gly Glu Ala Val Glu Asp Pro Met Glu Ile Val Ile Thr Val Thr Asp
372                 245                 250                 255
375 Gln Asn Asp Asn Arg Pro Glu Phe Thr Gln Pro Val Phe Glu Gly Phe
376             260                 265                 270
379 Val Ala Glu Gly Ala Val Pro Gly Thr Ser Val Met Lys Val Ser Ala
380         275                 280                 285
383 Thr Asp Ala Asp Asp Asp Val Asn Thr Tyr Asn Ala Ala Ile Ala Tyr
384     290                 295                 300
387 Thr Ile Val Ser Gln Asp Pro Glu Leu Pro His Lys Asn Met Phe Thr
388 305                 310                 315                 320
391 Val Asn Arg Asp Thr Gly Val Ile Ser Val Leu Thr Ser Gly Leu Asp
392                 325                 330                 335
395 Arg Glu Ser Tyr Pro Thr Tyr Thr Leu Val Val Gln Ala Ala Asp Leu
396             340                 345                 350
399 Gln Gly Glu Gly Leu Ser Thr Thr Ala Lys Ala Val Ile Thr Val Lys
400         355                 360                 365
403 Asp Ile Asn Asp Asn Ala Pro Val Phe Asn Pro Ser Thr Tyr Gln Gly
404     370                 375                 380
407 Gln Val Pro Glu Asn Glu Val Asn Ala Arg Ile Ala Thr Leu Lys Val
408 385                 390                 395                 400
411 Thr Asp Asp Asp Ala Pro Asn Thr Pro Ala Trp Lys Ala Val Tyr Thr
412                 405                 410                 415
415 Val Val Asn Asp Pro Asp Gln Gln Phe Val Val Val Thr Asp Pro Thr
416             420                 425                 430
419 Thr Asn Asp Gly Ile Leu Lys Thr Ala Lys Gly Leu Asp Phe Glu Ala
420         435                 440                 445
423 Lys Gln Gln Tyr Ile Leu His Val Arg Val Glu Asn Glu Glu Pro Phe
424     450                 455                 460
427 Glu Gly Ser Leu Val Pro Ser Thr Ala Thr Val Thr Val Asp Val Val
428 465                 470                 475                 480
431 Asp Val Asn Glu Ala Pro Ile Phe Met Pro Ala Glu Arg Arg Val Glu
432                 485                 490                 495
435 Val Pro Glu Asp Phe Gly Val Gly Gln Glu Ile Thr Ser Tyr Thr Ala
436             500                 505                 510
439 Arg Glu Pro Asp Thr Phe Met Asp Gln Lys Ile Thr Tyr Arg Ile Trp
440         515                 520                 525
443 Arg Asp Thr Ala Asn Trp Leu Glu Ile Asn Pro Glu Thr Gly Ala Ile
444     530                 535                 540
447 Phe Thr Arg Ala Glu Met Asp Arg Glu Asp Ala Glu His Val Lys Asn
448 545                 550                 555                 560
451 Ser Thr Tyr Val Ala Leu Ile Ile Ala Thr Asp Asp Gly Ser Pro Ile
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VERIFICATION SUMMARY DATE: 10/03/2006
PATENT APPLICATION: **US/10/593,831** TIME: 08:46:43

Input Set : **A:\PCTJP2005006006.txt**
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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date